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Lumpkin, A.H., D.W. Feldman, J.E. Sollid, R.W. Warren, W.E. Stein, W.J. Johnson, J.M. Watson, B.E. Newnam and J.C. Goldstein, First direct observation of FEL lasing from $\lambda = 20$ to 45 μm . . . A296 (1990) 181
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Sharp, W.M., E.T. Scharlemann and W.M. Fawley, Three-dimensional simulation of free-electron laser harmonics with FRED . . . A296 (1990) 335
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